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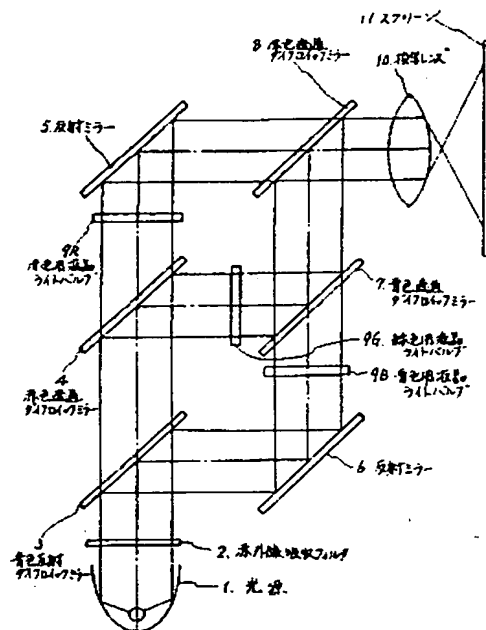
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TITLE : PROJECTION TYPE COLOR DISPLAY
DEVICE



ABSTRACT : PURPOSE: To project a picture without the unevenness of color on a screen by allowing primary colors' optical pathes to be equal optical pathes and forming a projecting optical system to be a telecentric projecting optical system.

CONSTITUTION: Since a projecting lens 10 is the telecentric projecting optical system wherein an entrance pupil is infinitely remote, light beams made incident on the projecting lens are light beams parallel to an optical axis. Therefore, when emitting principle rays are made of light beams parallel to the optical axis by using a parabolic mirror, etc., for a projecting light source 1, incident angles on respective dichroic mirrors 3, 4, 7 and 8 are always 45° at any place on the dichroic mirrors. Consequently, the boundary wave lengths of the primary colors are the same at any place and the chromaticity of the primary colors of a picture projected on a screen 11 and a synthesized white color are the same at any point on the screen 11.

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